



AWWA C509 250PSI/300PSI

FGN909 Non-rising Stem Flanged Joint Ends Resilient Wedge Gate Valves

MATERIAL LIST

	PART	SPECIFICATION
1	Valve Body	Ductile Iron ASTM A 536
2	Resilient Wedge	Ductile Iron ASTM A 536/EPDM ASTM D 2000
3	Wedge Nut	Bronze ASTM B 584 UNS C83600
4	Stem	Bronze ASTM B 150 UNS C61400
5	Bonnet Gasket	EPDM ASTM D 2000
6	Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated
7	Bonnet	Ductile Iron ASTM A 536
8	Stem Primary O-Ring	EPDM ASTM D 2000
9	Stem Thrust Washer (lower)	Bronze ASTM B 584 UNS C83600
10	Stem Thrust Washer (upper)	Stainless Steel ASTM A 276 UNS S41000
11	Gland Seal O-Ring	EPDM ASTM D 2000
12	Stem Seal Bushing	Bronze ASTM B 584 UNS C83600
13	Stem Secondary O-Ring (2)	EPDM ASTM D 2000
14	Gland Flange	Ductile Iron ASTM A 536
15	Gland Flange Screw	Alloy Steel ASTM A 574M Zinc Plated
16	Stem Ring Wiper	EPDM ASTM D 2000
17	Square Operating Nut	Cast Iron ASTM A 126-B
17A	Handwheel (Optional)	Ductile Iron ASTM A 536
18	Fiat Washer	Carbon Steel Zinc Plated
19	Screw	Alloy Steel ASTM A 574M Zinc Plated

- ◆ Bolted Bonnet • Non-Rising Stem • Resilient Wedge • Flanged Ends
- ◆ 250 PSI/300 PSI/17.2 Bar Non-Shock Cold Working Pressure
- ◆ CONFORMS TO AWWA C509

Coating—Electrostatically applied fusion-bonded epoxy 0.2–0.5mm. inside and outside. Meets or exceeds AWWA C550. Maximum operating temperature 160° F/71°C.



Flanged
FGN909

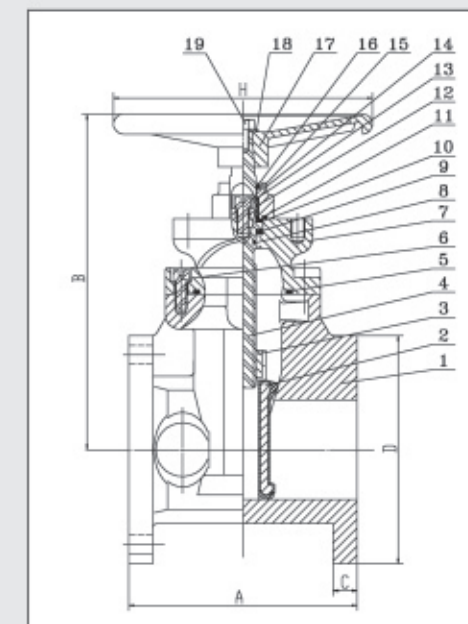


Fig x Fig

Shown with optional handwheel
Freezing Weather Precaution—Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

DIMENSION-WEIGHTS-QUANTITIES

Size		Dimension										Bolt Circle		Flange Holes	Turns To Open	Weight	
		A		B		C		D		H							
In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm			lbs	kg
2	50	7.0	178	10.0	255	0.63	16.0	6.0	152	7.9	200	4.75	121	4	6.5	30	14
2½	65	7.5	190	11.3	287	0.69	17.5	7.0	178	7.9	200	5.50	140	4	8.8	35	16
3	80	8.0	203	12.6	321	0.75	19.0	7.5	191	10.2	260	6.00	152	4	10.6	45	20
4	100	9.0	229	13.5	344	0.94	24.0	9.0	229	10.2	260	7.50	191	8	13.0	71	32
6	150	10.5	267	17.4	441	1.00	25.4	11.0	279	14.8	375	9.50	241	8	15.6	122	55
8	200	11.5	292	20.8	529	1.13	28.6	13.5	343	14.8	375	11.75	298	8	17.3	196	89
10	250	13.0	330	24.2	614	1.19	30.2	16.0	406	15.7	400	14.25	362	12	21.4	294	134
12	300	14.0	356	27.6	700	1.25	31.8	19.0	483	19.7	500	17.00	432	12	25.3	426	194